

I CLAIM:

1. An electro-luminescent device of a mobile phone having a battery compartment comprising
a luminescent disc disposed on the battery compartment of the mobile
5 phone;
a signal-receiving unit for receiving high frequency signals of the mobile phone;
an automatic control unit connected to the signal-receiving unit for filtering, rectification of the corresponding high frequency signals and
10 for the production of flickering signal and for calculation;
a display-switching driving unit connected to the automatic control unit and the luminescent disc to drive the luminescent disc; and
a reverse-change voltage-elevating unit connected to the automatic control unit and the luminescent disc to provide the high voltage
15 required by the luminescent disc.
2. The electro-luminescent device of a mobile phone of claim 1, wherein the display switching driving unit includes a plurality of transistors and a diode.
3. The electro-luminescent device of a mobile phone of claim 2, wherein
20 the reverse-change voltage-elevating unit is a RCL oscillation circuit

includes resistance, capacitance and transformers.

[illegible]